

SEARAY

(1.27 mm) .050"



HIGH-SPEED/HIGH-DENSITY OPEN-PIN-FIEI

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?SEAF

Insulator Material: Contact Material: Copper Alloy Operating Temp Range: -55 °C to +125 °C Current Rating (7 mm stack height):

2.7 A per pin (10 adjacent pins powered) Plating: Au or Sn over 50 µ" (1.27 µm) Ni

Working Voltage: 240 VA RoHS Compliant: Yes (-2 Solder type only) Lead-Free Solderable:

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



STANDARDS

- VITA 47
- VITA 57.1 FMC
- VITA 57.4 FMC+
- VITA 74 VNX
- PISMO™2

Visit www.samtec.com/standards for more information.

DIFFERENTIAL SIGNAL ROUTING



The above signal routing configuration allows for the use of 25 to 125 differential pair counts. Contact sig@samtec.com for specific details.

Notes:

IPC-A-610F and IPC J-STD-001F Class 3 solder joint.

Some sizes, styles and options are non-standard, non-returnable.



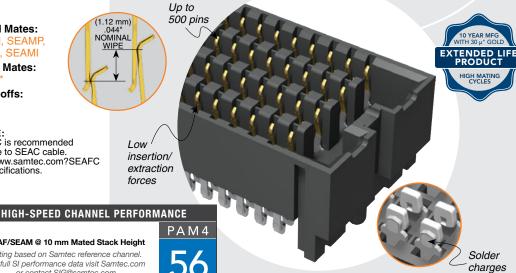
Cable Mates:

Standoffs:

*NOTE:

SEAF

SEAFC is recommended to mate to SEAC cable. Visit www.samtec.com?SEAFC for specifications.



SEAF/SEAM @ 10 mm Mated Stack Height

Rating based on Samtec reference channel. For full SI performance data visit Samtec.com or contact SIG@samtec.com

NO. PINS

PER ROW

PLATING

OPTION

NO. OF **ROWS**

SOLDER **TYPE**

OPTION



·10, –15, –20 -30, –40, –50 (–10 only available in 04 row)

(-15 only available in 04 or 10 row with -05.0 lead style)

NO. OF ROWS	В
-04	(5.66) .223
-05, -06	(8.20) .323
-08	(10.74) .423
-10	(13.28) .523

В

(1.27) .050

LEAD STYLE from chart

LEAD

LEAD

STYLE

STYLE	Α
-05.0	(5.05) .199
-06.0	(6.05) .238
-06.5	(6.55) .258
-07.5	(7.54) .297

(1.27) .050

No. of positions x (1.27) .050 + (5.82) .229

No. of positions x (1.27) .050 + (3.58) .141

←(1.12) .044 DIA

 $= 10 \mu$ " (0.25 µm) Gold on contact area,

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05) 99	= 30 µ" (0.76 µm)
05) 38	Gold on contact
55) 58	area, Matte Tin or
54) 97	solder tail

-04 =Four Rows

> Rows -08

=Eight

Rows

-10

=Ten Rows

-LP

-05=Five Matte Tin on Rows solder tail -06 =Six

- 1 = Tin/Lead Alloy Solder

-2 Lead-Free Solder Charge

(15.49)

.610 (1.78) .070

-LP = Latch Post Charge (-LP required for SEAC

mate only)
(Available with –05.0 lead style and -04, -06, -08 & -10 rows only)

–TR = Tape & Reel

-FR = Full Reel Tape & Reel Packaging (Must order màx. quantities per reel. Contact Samtec for

parts per reel)

POWER/SIGNAL APPLICATION



.009 Due to technical progress, all designs, specifications and components are subject to change without notice

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